



CALIFORNIA

Agricultural Bulletin

EDD Employment
Development
Department
State of California

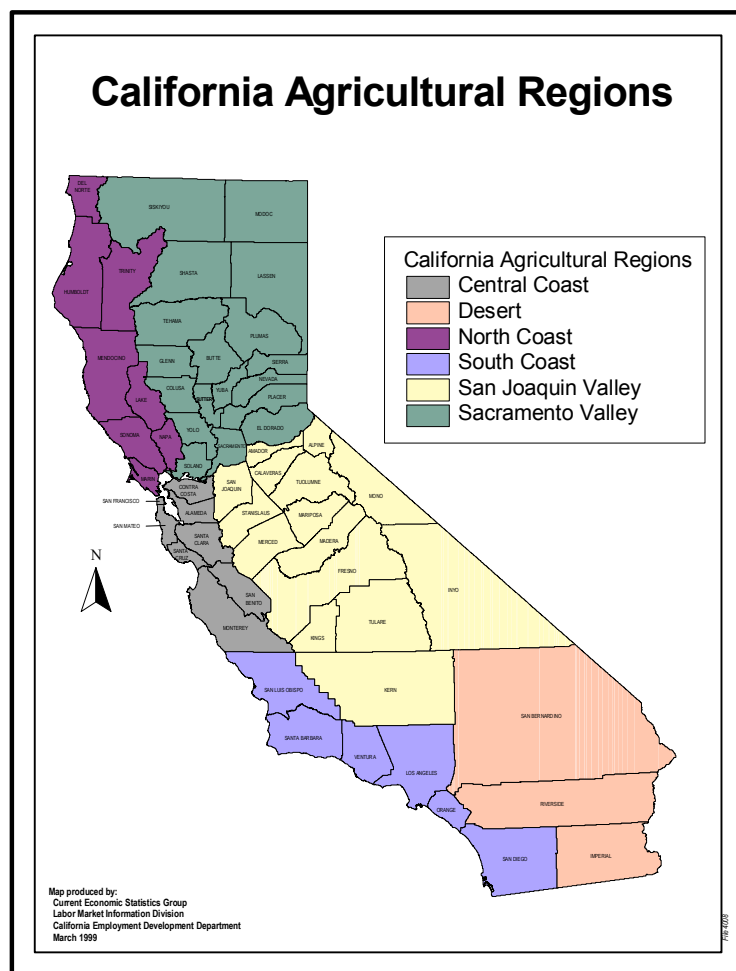
June 2003
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Agricultural Overview

This bulletin covers 27 agricultural industries in the State of California. The number of industries ranges from 5 to 17 within each of the 6 geographic regions. The regions are the San Joaquin Valley, South Coast, Desert, Central Coast, Sacramento Valley, and North Coast (refer to map for details).



The data are organized into the following tables by state and region:

- Wage and Salary Workers
- Average Hourly Earnings

LMID
Labor Market Information Division
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Summary

Employment

Total Agricultural Production and Services employment for June 2003 increased 28,500 jobs over the previous month, a gain of 6.9 percent. The largest increase was seen in Agricultural Services, of 16,100 jobs. Farm Labor Contractor Services registered the largest increase for the month with a gain of 12,100 jobs. A significant increase was also seen in Grape crops, where 5,000 jobs were added. The largest decrease for the month was seen in the Production of Ornamental Floral and Nursery category where 1,300 jobs were lost. It is normal for both Agricultural Production and Agricultural Services to show increases from May to June. In the breakdown of the regions, total agricultural employment increased 7.9 percent or 15,500 jobs in San Joaquin Valley. All other regions also showed increases.

Total Agricultural Average Hourly Earning increased to \$8.51 per hour in June, an increase of two cents from May 2003. Total Agricultural Livestock Production increased four cents and Total Agricultural Crop Production increased three cents, while Agricultural Services decreased by one cent.

Production and Crop Activity

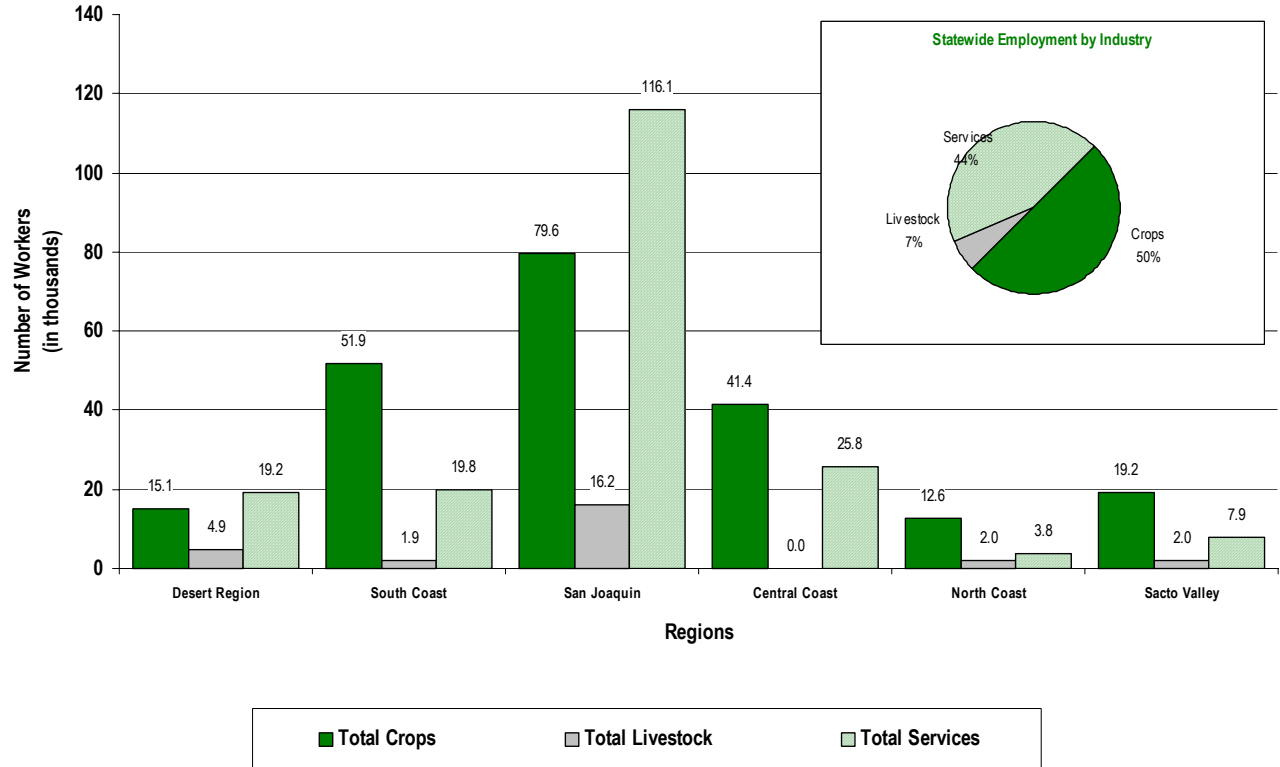
Cotton fields were irrigated, fertilized, cultivated and treated to control weeds, lygus, and mites using aircraft and ground equipment. Harvesting of small grains continued as fields of wheat, oats, and barley matured rapidly in the ideal weather. Ground preparation for double cropping or next season's crop, were underway in some harvested fields. Alfalfa hay and seed fields were irrigated and treated to control insect pests as necessary. Alfalfa hay was cut, windrowed, baled, and stacked. Field corn growers were irrigating and treating fields to control weeds and insects. Harvesting of corn for grain and silage continued. Some sugar beet fields were irrigated and treated with fungicides, while others were being harvested. Rice planting was completed in most areas and was progressing well in others. Herbicide applications continued in many rice fields to control broadleaf weeds. Planting of beans, celery, eggplants, peppers, melons, and tomatoes continued. Processing tomato fields were treated for insect control, irrigated, and cultivated. Planting of dry lima beans and sweet potatoes was finished. Harvesting of summer vegetables in the San Joaquin Valley was in full swing. Picking of eggplant, cucumber, zucchini, and yellow squash continued. Sweet corn, processing tomatoes, peppers, and green beans were harvested. Onion and garlic harvesting was underway in a few fields. The following vegetables were also harvested during the month of June: artichokes, basil, beets, broccoli, cabbage, carrots, cauliflower, celery, cilantro, cucumbers, daikon, eggplant, fava beans, green onions, leaf lettuce, mint, mustard greens, okra, parsley, bell peppers, hot peppers, radicchio, spinach, string beans, yellow crookneck and zucchini squash.

Growers continued cultural activities in tree fruit orchards and grape vineyards. Tree fruit growers irrigated, thinned fruit, cultivated, and applied disease and pest control treatments. Field activities in raisin, wine, and table grape vineyards included cane cutting, irrigation, cultivation, and treatments to control insect pests and diseases. Apple orchards were treated for codling moth. Stone fruit harvesting continued. Apricots, plums, peaches, nectarines, and pluots were harvested. Many citrus groves were irrigated, pruned, and sprayed for scale. Valencia, lemon and grapefruit harvesting continued. The Navel season was essentially over, though a few packers continued to move late varieties. Blackberries continued to be picked and packed. Boysenberries, raspberries, blueberries, and figs were harvested in the San Joaquin Valley. Cherry and strawberry harvesting had ended in most parts of the Central Valley. Walnuts were treated for codling moth and blight. Almond, walnut, pecan, and pistachio orchards were irrigated and treated to control diseases, insect pests, and weeds.

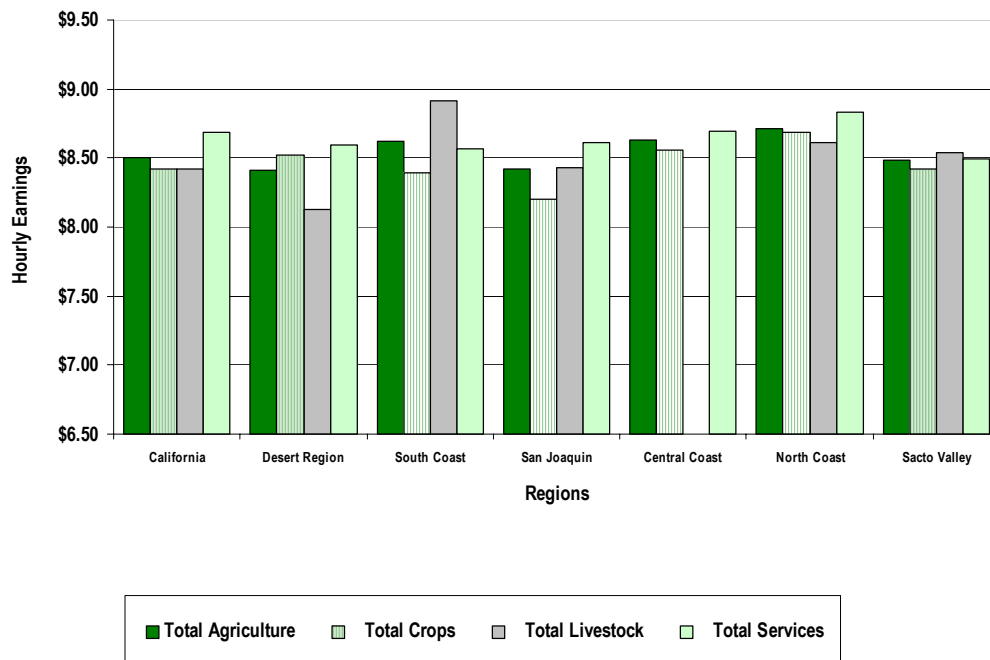
Most cattle have been shipped from dry foothill pastures, including weaned calves and yearling feeder cattle to summer pastures. Hot weather slowed poultry and milk production. Bees were active in melon, vegetable, and seed fields.

Agricultural Summary Charts

Wage and Salary Workers



Average Hourly Earnings



CALIFORNIA AGRICULTURAL EMPLOYMENT

Wage and Salary Workers (In Thousands)

Industry	Jun 2003	May 2003	Jun 2002
Total Agriculture	439.4	410.9	445.1
Total Agricultural Production/Crops	219.8	209.6	222.0
Cash Grains	2.7	3.2	2.1
Rice	1.5	2.1	1.3
Other Cash Grains	1.2	1.1	0.8
Field Crops Except Grains	12.3	10.8	12.3
Cotton	5.9	5.1	6.0
Other Field Crops	6.4	5.7	6.3
Vegetables and Melons	37.8	35.7	38.7
Total Fruits and Tree Nuts	100.9	94.4	103.3
Berries	26.3	26.9	25.6
Grapes	40.9	35.9	42.1
Tree Nuts	7.5	7.4	7.3
Citrus Fruits	3.0	2.9	3.7
Deciduous Tree Fruit	14.7	13.4	15.5
Other Fruits & Nuts	8.5	7.9	9.1
Total Horticultural Specialties	37.9	38.6	37.2
Ornamental Floral & Nursery	34.0	35.3	33.7
Food Crops Grown Under Cover	3.9	3.3	3.5
General Farm Primarily Crop	28.2	26.9	28.4
Agricultural Production/Livestock	27.0	24.8	28.3
Beef Cattle Feed Lots	0.4	0.2	0.8
Beef Cattle Except Feed Lots	2.7	2.8	3.1
Dairy Farms	17.2	16.2	16.8
Chicken Eggs	2.0	0.6	2.2
Turkey & Turkey Eggs	0.7	0.7	0.8
Other Livestock	4.0	4.3	4.6
Total Agricultural Services	192.6	176.5	194.8
Soil Preparation Services	1.9	2.0	1.5
Crop Services	48.2	43.8	48.2
Plant Cultivate & Protection	6.4	6.2	6.0
Harvest Primarily by Machine	5.8	5.3	5.8
Preparation Services for Market	34.9	31.7	35.5
Cotton Ginning	1.1	0.6	0.9
Total Farm Labor & Management	142.5	130.7	145.1
Farm Labor Contractors	130.5	118.4	131.9
Farm Management Services	12.0	12.3	13.2

Average Hourly Earnings (In dollars per hour)

Industry	Jun 2003	May 2003	Jun 2002
Total Agriculture	8.51	8.49	8.44
Total Agricultural Production/Crops	8.42	8.39	8.34
Cash Grains	8.52	8.49	8.27
Rice	8.65	8.65	8.27
Other Cash Grains	8.40	8.34	8.27
Field Crops Except Grains	8.35	8.30	8.43
Cotton	8.26	8.18	8.51
Other Field Crops	8.45	8.43	8.36
Vegetables and Melons	8.54	8.50	8.46
Total Fruits and Tree Nuts	8.37	8.34	8.30
Berries	8.11	8.09	8.24
Grapes	8.49	8.46	8.22
Tree Nuts	8.35	8.34	8.43
Citrus Fruits	8.42	8.41	8.29
Deciduous Tree Fruit	8.37	8.28	8.12
Other Fruits & Nuts	8.46	8.45	8.50
Total Horticultural Specialties	8.43	8.40	8.36
Ornamental Floral & Nursery	8.56	8.55	8.44
Food Crops Grown Under Cover	8.29	8.26	8.27
General Farm Primarily Crop	8.33	8.31	8.22
Agricultural Production/Livestock	8.42	8.38	8.34
Beef Cattle Feed Lots	8.21	8.23	8.22
Beef Cattle Except Feed Lots	8.68	8.67	8.55
Dairy Farms	8.73	8.70	8.58
Chicken Eggs	8.02	8.07	7.89
Turkey & Turkey Eggs	8.29	8.09	8.18
Other Livestock	8.58	8.54	8.60
Total Agricultural Services	8.68	8.69	8.63
Soil Preparation Services	8.74	8.72	8.74
Crop Services	8.82	8.91	8.74
Plant Cultivate & Protection	8.72	8.73	8.59
Harvest Primarily by Machine	8.80	8.79	8.78
Preparation Services for Market	8.34	8.35	8.26
Cotton Ginning	9.41	9.78	9.35
Total Farm Labor & Management	8.49	8.43	8.42
Farm Labor Contractors	8.28	8.18	8.20
Farm Management Services	8.71	8.69	8.64

CENTRAL COAST AGRICULTURAL EMPLOYMENT

Wage and Salary Workers (In Thousands)

Industry	Jun 2003	May 2003	Jun 2002
Total Agriculture	67.2	61.3	70.1
Total Agricultural Production/Crops	41.4	37.8	44.1
Cash Grains	0.0	0.0	0.0
Rice	0.0	0.0	0.0
Other Cash Grains	0.0	0.0	0.0
Field Crops Except Grains	0.3	0.3	0.3
Cotton	0.0	0.0	0.0
Other Field Crops	0.3	0.3	0.3
Vegetables and Melons	15.9	15.4	16.6
Total Fruits and Tree Nuts	13.6	10.2	14.8
Berries	12.1	8.6	12.3
Grapes	1.0	1.1	1.2
Tree Nuts	0.1	0.1	0.0
Citrus Fruits	0.0	0.0	0.0
Deciduous Tree Fruit	0.0	0.1	0.4
Other Fruits & Nuts	0.4	0.3	0.9
Total Horticultural Specialties	9.0	9.8	9.4
Ornamental Floral & Nursery	6.6	7.6	7.0
Food Crops Grown Under Cover	2.4	2.2	2.4
General Farm Primarily Crop	2.6	2.1	3.0
Agricultural Production/Livestock	0.0	0.2	0.1
Beef Cattle Feed Lots	0.0	0.0	0.0
Beef Cattle Except Feed Lots	0.0	0.0	0.0
Dairy Farms	0.0	0.0	0.1
Chicken Eggs	0.0	0.0	0.0
Turkey & Turkey Eggs	0.0	0.2	0.0
Other Livestock	0.0	0.0	0.0
Total Agricultural Services	25.8	23.3	25.9
Soil Preparation Services	0.7	0.9	0.7
Crop Services	9.7	8.1	9.3
Plant Cultivate & Protection	0.0	0.0	0.0
Harvest Primarily by Machine	2.4	1.8	1.9
Preparation Services for Market	7.3	6.3	6.8
Cotton Ginning	0.0	0.0	0.0
Total Farm Labor & Management	15.4	14.3	15.9
Farm Labor Contractors	14.4	13.1	14.7
Farm Management Services	1.0	1.2	1.2

Average Hourly Earnings (In dollars per hour)

Industry	Jun 2003	May 2003	Jun 2002
Total Agriculture	8.63	8.43	8.54
Total Agricultural Production/Crops	8.56	8.60	8.49
Cash Grains	na	na	na
Rice	na	na	na
Other Cash Grains	na	na	na
Field Crops Except Grains	8.56	8.56	8.52
Cotton	na	na	na
Other Field Crops	8.56	8.56	8.52
Vegetables and Melons	9.02	9.13	8.94
Total Fruits and Tree Nuts	8.43	8.37	8.36
Berries	8.52	8.61	8.50
Grapes	8.68	8.68	8.33
Tree Nuts	8.06	8.06	na
Citrus Fruits	na	na	na
Deciduous Tree Fruit	na	8.01	8.09
Other Fruits & Nuts	8.44	8.48	8.53
Total Horticultural Specialties	8.49	8.55	8.44
Ornamental Floral & Nursery	8.51	8.56	8.49
Food Crops Grown Under Cover	8.47	8.54	8.39
General Farm Primarily Crop	8.31	8.37	8.20
Agricultural Production/Livestock	na	7.96	8.38
Beef Cattle Feed Lots	na	na	na
Beef Cattle Except Feed Lots	na	na	na
Dairy Farms	na	na	8.38
Chicken Eggs	na	na	na
Turkey & Turkey Eggs	na	7.96	na
Other Livestock	na	na	na
Total Agricultural Services	8.70	8.74	8.74
Soil Preparation Services	8.73	8.79	8.88
Crop Services	8.79	8.82	8.77
Plant Cultivate & Protection	na	na	na
Harvest Primarily by Machine	9.12	9.15	9.07
Preparation Services for Market	8.46	8.49	8.46
Cotton Ginning	na	na	na
Total Farm Labor & Management	8.58	8.62	8.57
Farm Labor Contractors	8.31	8.27	8.27
Farm Management Services	8.84	8.96	8.87

na = not available

DESERT AGRICULTURAL EMPLOYMENT

Wage and Salary Workers (In Thousands)

Industry	Jun 2003	May 2003	Jun 2002
Total Agriculture	39.2	34.3	40.5
Total Agricultural Production/Crops	15.1	14.0	15.7
Cash Grains	0.2	0.1	0.0
Rice	0.0	0.0	0.0
Other Cash Grains	0.2	0.1	0.0
Field Crops Except Grains	1.6	1.4	1.5
Cotton	0.0	0.0	0.1
Other Field Crops	1.6	1.4	1.4
Vegetables and Melons	3.4	3.3	3.7
Total Fruits and Tree Nuts	5.3	4.4	6.0
Berries	0.2	0.2	0.0
Grapes	3.6	2.6	4.1
Tree Nuts	0.2	0.2	0.0
Citrus Fruits	0.0	0.0	0.5
Deciduous Tree Fruit	0.0	0.0	0.1
Other Fruits & Nuts	1.3	1.4	1.3
Total Horticultural Specialties	1.5	1.6	1.4
Ornamental Floral & Nursery	1.5	1.6	1.4
Food Crops Grown Under Cover	0.0	0.0	0.0
General Farm Primarily Crop	3.1	3.2	3.1
Agricultural Production/Livestock	4.9	3.3	5.8
Beef Cattle Feed Lots	0.0	0.0	0.3
Beef Cattle Except Feed Lots	0.0	0.0	0.6
Dairy Farms	3.1	2.7	3.1
Chicken Eggs	1.2	0.0	1.2
Turkey & Turkey Eggs	0.0	0.0	0.0
Other Livestock	0.6	0.6	0.6
Total Agricultural Services	19.2	17.0	19.0
Soil Preparation Services	0.2	0.2	0.2
Crop Services	5.5	5.0	4.7
Plant Cultivate & Protection	0.6	0.6	0.4
Harvest Primarily by Machine	0.8	0.9	1.1
Preparation Services for Market	3.6	3.5	3.6
Cotton Ginning	0.5	0.0	0.4
Total Farm Labor & Management	13.5	11.8	14.1
Farm Labor Contractors	10.9	9.3	11.2
Farm Management Services	2.6	2.5	2.9

Average Hourly Earnings (In dollars per hour)

Industry	Jun 2003	May 2003	Jun 2002
Total Agriculture	8.42	8.44	8.29
Total Agricultural Production/Crops	8.53	8.47	8.21
Cash Grains	8.75	8.64	na
Rice	na	na	na
Other Cash Grains	8.75	8.64	na
Field Crops Except Grains	8.93	8.89	8.56
Cotton	na	na	8.65
Other Field Crops	8.93	8.89	8.46
Vegetables and Melons	8.39	8.34	8.28
Total Fruits and Tree Nuts	8.35	8.32	8.04
Berries	7.92	7.84	na
Grapes	8.64	8.64	7.91
Tree Nuts	8.21	8.17	na
Citrus Fruits	na	na	8.07
Deciduous Tree Fruit	na	na	7.57
Other Fruits & Nuts	8.63	8.61	8.59
Total Horticultural Specialties	8.44	8.38	8.15
Ornamental Floral & Nursery	8.44	8.38	8.15
Food Crops Grown Under Cover	na	na	na
General Farm Primarily Crop	8.29	8.25	8.04
Agricultural Production/Livestock	8.13	8.32	8.12
Beef Cattle Feed Lots	na	na	8.19
Beef Cattle Except Feed Lots	na	na	8.49
Dairy Farms	8.49	8.49	8.45
Chicken Eggs	7.71	na	7.34
Turkey & Turkey Eggs	na	na	na
Other Livestock	8.18	8.14	8.13
Total Agricultural Services	8.60	8.52	8.54
Soil Preparation Services	8.76	8.73	8.71
Crop Services	8.68	8.55	8.66
Plant Cultivate & Protection	8.54	8.54	8.42
Harvest Primarily by Machine	8.98	8.98	8.90
Preparation Services for Market	8.17	8.12	8.16
Cotton Ginning	9.02	na	9.15
Total Farm Labor & Management	8.35	8.30	8.26
Farm Labor Contractors	8.16	8.13	8.13
Farm Management Services	8.54	8.46	8.39

na = not available

NORTH COAST AGRICULTURAL EMPLOYMENT

Wage and Salary Workers (In Thousands)

Industry	Jun 2003	May 2003	Jun 2002
Total Agriculture	18.4	16.9	19.0
Total Agricultural Production/Crops	12.6	11.5	13.5
Cash Grains	0.1	0.0	0.0
Rice	0.0	0.0	0.0
Other Cash Grains	0.1	0.0	0.0
Field Crops Except Grains	0.0	0.0	0.0
Cotton	0.0	0.0	0.0
Other Field Crops	0.0	0.0	0.0
Vegetables and Melons	0.3	0.1	0.3
Total Fruits and Tree Nuts	10.4	9.6	11.3
Berries	0.0	0.0	0.0
Grapes	9.8	9.1	10.4
Tree Nuts	0.0	0.0	0.1
Citrus Fruits	0.0	0.0	0.0
Deciduous Tree Fruit	0.6	0.5	0.7
Other Fruits & Nuts	0.0	0.0	0.1
Total Horticultural Specialties	1.4	1.4	1.5
Ornamental Floral & Nursery	1.4	1.4	1.5
Food Crops Grown Under Cover	0.0	0.0	0.0
General Farm Primarily Crop	0.4	0.4	0.4
Agricultural Production/Livestock	2.0	2.2	1.5
Beef Cattle Feed Lots	0.0	0.0	0.0
Beef Cattle Except Feed Lots	0.2	0.3	0.0
Dairy Farms	1.3	1.2	1.0
Chicken Eggs	0.3	0.2	0.1
Turkey & Turkey Eggs	0.0	0.0	0.0
Other Livestock	0.2	0.5	0.4
Total Agricultural Services	3.8	3.2	4.0
Soil Preparation Services	0.0	0.1	0.0
Crop Services	0.0	0.0	0.0
Plant Cultivate & Protection	0.0	0.0	0.0
Harvest Primarily by Machine	0.0	0.0	0.0
Preparation Services for Market	0.0	0.0	0.0
Cotton Ginning	0.0	0.0	0.0
Total Farm Labor & Management	3.8	3.1	4.0
Farm Labor Contractors	0.7	0.0	0.9
Farm Management Services	3.1	3.1	3.1

na = not available

Average Hourly Earnings (In dollars per hour)

Industry	Jun 2003	May 2003	Jun 2002
Total Agriculture	8.71	8.70	8.72
Total Agricultural Production/Crops	8.69	8.63	8.61
Cash Grains	8.69	na	na
Rice	na	na	na
Other Cash Grains	8.69	na	na
Field Crops Except Grains	na	na	na
Cotton	na	na	na
Other Field Crops	na	na	na
Vegetables and Melons	8.77	8.68	8.67
Total Fruits and Tree Nuts	8.69	8.62	8.62
Berries	na	na	na
Grapes	8.64	8.56	8.59
Tree Nuts	na	na	8.49
Citrus Fruits	na	na	na
Deciduous Tree Fruit	8.73	8.68	8.71
Other Fruits & Nuts	na	na	8.70
Total Horticultural Specialties	8.93	8.92	8.69
Ornamental Floral & Nursery	8.93	8.92	8.69
Food Crops Grown Under Cover	na	na	na
General Farm Primarily Crop	8.36	8.29	8.45
Agricultural Production/Livestock	8.62	8.53	8.79
Beef Cattle Feed Lots	na	na	na
Beef Cattle Except Feed Lots	8.34	8.33	na
Dairy Farms	8.69	8.52	8.81
Chicken Eggs	8.56	8.51	8.50
Turkey & Turkey Eggs	na	na	na
Other Livestock	8.87	8.74	9.06
Total Agricultural Services	8.83	8.95	8.77
Soil Preparation Services	na	8.62	na
Crop Services	na	na	na
Plant Cultivate & Protection	na	na	na
Harvest Primarily by Machine	na	na	na
Preparation Services for Market	na	na	na
Cotton Ginning	na	na	na
Total Farm Labor & Management	8.83	8.93	8.77
Farm Labor Contractors	8.69	na	8.59
Farm Management Services	8.97	8.93	8.94

SOUTH COAST AGRICULTURAL EMPLOYMENT

Wage and Salary Workers (In Thousands)

Industry	Jun 2003	May 2003	Jun 2002
Total Agriculture	73.6	73.3	71.6
Total Agricultural Production/Crops	51.9	53.0	50.7
Cash Grains	0.0	0.1	0.1
Rice	0.0	0.0	0.0
Other Cash Grains	0.0	0.1	0.1
Field Crops Except Grains	0.5	0.2	0.5
Cotton	0.0	0.0	0.0
Other Field Crops	0.5	0.2	0.5
Vegetables and Melons	8.9	8.2	8.7
Total Fruits and Tree Nuts	19.6	22.4	19.2
Berries	13.7	17.6	13.3
Grapes	2.4	1.7	2.4
Tree Nuts	0.2	0.2	0.0
Citrus Fruits	1.5	1.3	1.5
Deciduous Tree Fruit	0.0	0.0	0.2
Other Fruits & Nuts	1.8	1.6	1.8
Total Horticultural Specialties	19.0	18.4	18.3
Ornamental Floral & Nursery	18.1	17.7	17.4
Food Crops Grown Under Cover	0.9	0.7	0.8
General Farm Primarily Crop	3.9	3.7	3.9
Agricultural Production/Livestock	1.9	1.5	1.8
Beef Cattle Feed Lots	0.0	0.0	0.0
Beef Cattle Except Feed Lots	0.7	0.4	0.3
Dairy Farms	0.1	0.1	0.0
Chicken Eggs	0.0	0.0	0.4
Turkey & Turkey Eggs	0.0	0.0	0.0
Other Livestock	1.1	1.0	1.1
Total Agricultural Services	19.8	18.8	19.1
Soil Preparation Services	0.5	0.2	0.0
Crop Services	3.4	3.2	3.1
Plant Cultivate & Protection	0.9	0.9	0.6
Harvest Primarily by Machine	0.0	0.0	0.0
Preparation Services for Market	2.5	2.3	2.4
Cotton Ginning	0.0	0.0	0.0
Total Farm Labor & Management	15.9	15.4	16.0
Farm Labor Contractors	14.2	13.6	14.3
Farm Management Services	1.7	1.8	1.7

Average Hourly Earnings (In dollars per hour)

Industry	Jun 2003	May 2003	Jun 2002
Total Agriculture	8.63	8.62	8.40
Total Agricultural Production/Crops	8.40	8.41	8.41
Cash Grains	na	8.64	8.66
Rice	na	na	na
Other Cash Grains	na	8.64	8.66
Field Crops Except Grains	8.52	8.52	8.39
Cotton	na	na	na
Other Field Crops	8.52	8.52	8.39
Vegetables and Melons	8.26	8.17	8.52
Total Fruits and Tree Nuts	8.35	8.30	8.28
Berries	7.62	7.51	7.97
Grapes	8.52	8.46	8.13
Tree Nuts	8.35	8.36	na
Citrus Fruits	8.54	8.49	8.49
Deciduous Tree Fruit	na	na	8.18
Other Fruits & Nuts	8.73	8.69	8.61
Total Horticultural Specialties	8.49	8.48	8.39
Ornamental Floral & Nursery	8.61	8.58	8.60
Food Crops Grown Under Cover	8.37	8.37	8.18
General Farm Primarily Crop	8.36	8.36	8.25
Agricultural Production/Livestock	8.91	8.90	8.43
Beef Cattle Feed Lots	na	na	na
Beef Cattle Except Feed Lots	9.47	9.47	8.63
Dairy Farms	8.69	8.68	na
Chicken Eggs	na	na	8.10
Turkey & Turkey Eggs	na	na	na
Other Livestock	8.58	8.54	8.56
Total Agricultural Services	8.57	8.56	8.35
Soil Preparation Services	8.77	8.76	na
Crop Services	8.60	8.59	8.37
Plant Cultivate & Protection	8.89	8.87	8.56
Harvest Primarily by Machine	na	na	na
Preparation Services for Market	8.31	8.31	8.17
Cotton Ginning	na	na	na
Total Farm Labor & Management	8.33	8.32	8.33
Farm Labor Contractors	8.04	8.03	8.13
Farm Management Services	8.62	8.61	8.53

na = not available

SAN JOAQUIN AGRICULTURAL EMPLOYMENT

Wage and Salary Workers (In Thousands)

Industry	Jun 2003	May 2003	Jun 2002
Total Agriculture	211.9	196.4	215.7
Total Agricultural Production/Crops	79.6	74.7	79.8
Cash Grains	0.6	0.7	0.3
Rice	0.1	0.3	0.0
Other Cash Grains	0.5	0.4	0.3
Field Crops Except Grains	9.1	8.2	9.3
Cotton	5.9	5.1	5.9
Other Field Crops	3.2	3.1	3.4
Vegetables and Melons	7.0	6.7	7.2
Total Fruits and Tree Nuts	44.0	40.3	44.3
Berries	0.3	0.5	0.0
Grapes	22.6	20.2	22.5
Tree Nuts	4.6	4.5	4.9
Citrus Fruits	1.5	1.6	1.7
Deciduous Tree Fruit	10.9	9.8	11.1
Other Fruits & Nuts	4.1	3.7	4.1
Total Horticultural Specialties	4.6	5.1	4.5
Ornamental Floral & Nursery	4.3	4.7	4.3
Food Crops Grown Under Cover	0.3	0.4	0.2
General Farm Primarily Crop	14.3	13.7	14.2
Agricultural Production/Livestock	16.2	15.9	17.3
Beef Cattle Feed Lots	0.4	0.2	0.4
Beef Cattle Except Feed Lots	1.2	1.6	1.6
Dairy Farms	11.9	11.4	12.1
Chicken Eggs	0.5	0.4	0.5
Turkey & Turkey Eggs	0.7	0.5	0.8
Other Livestock	1.5	1.8	1.9
Total Agricultural Services	116.1	105.8	118.6
Soil Preparation Services	0.5	0.6	0.6
Crop Services	27.1	24.9	28.4
Plant Cultivate & Protection	4.2	3.8	4.3
Harvest Primarily by Machine	2.1	2.3	2.3
Preparation Services for Market	20.2	18.2	21.3
Cotton Ginning	0.6	0.6	0.5
Total Farm Labor & Management	88.5	80.3	89.6
Farm Labor Contractors	84.9	76.8	85.3
Farm Management Services	3.6	3.5	4.3

na = not available

Average Hourly Earnings (In dollars per hour)

Industry	Jun 2003	May 2003	Jun 2002
Total Agriculture	8.42	8.39	8.35
Total Agricultural Production/Crops	8.20	8.15	8.18
Cash Grains	8.22	8.18	8.00
Rice	8.63	8.60	na
Other Cash Grains	7.81	7.76	8.00
Field Crops Except Grains	8.12	8.05	8.28
Cotton	8.26	8.18	8.36
Other Field Crops	7.97	7.91	8.19
Vegetables and Melons	8.24	8.13	8.16
Total Fruits and Tree Nuts	8.33	8.34	8.26
Berries	8.36	8.38	na
Grapes	8.13	8.09	8.21
Tree Nuts	8.71	8.71	8.44
Citrus Fruits	8.30	8.33	8.30
Deciduous Tree Fruit	8.22	8.24	8.01
Other Fruits & Nuts	8.25	8.26	8.32
Total Horticultural Specialties	8.13	8.09	8.34
Ornamental Floral & Nursery	8.34	8.31	8.45
Food Crops Grown Under Cover	7.92	7.86	8.23
General Farm Primarily Crop	8.18	8.12	8.03
Agricultural Production/Livestock	8.43	8.39	8.36
Beef Cattle Feed Lots	8.21	8.23	8.17
Beef Cattle Except Feed Lots	8.48	8.46	8.61
Dairy Farms	9.05	9.05	8.76
Chicken Eggs	7.78	7.63	7.63
Turkey & Turkey Eggs	8.29	8.21	8.18
Other Livestock	8.79	8.78	8.83
Total Agricultural Services	8.62	8.61	8.52
Soil Preparation Services	8.68	8.68	8.62
Crop Services	8.84	8.83	8.74
Plant Cultivate & Protection	8.72	8.74	8.79
Harvest Primarily by Machine	8.44	8.39	8.49
Preparation Services for Market	8.39	8.42	8.13
Cotton Ginning	9.79	9.78	9.54
Total Farm Labor & Management	8.33	8.33	8.20
Farm Labor Contractors	8.09	8.09	7.94
Farm Management Services	8.57	8.56	8.45

SACRAMENTO VALLEY AGRICULTURAL EMPLOYMENT

Wage and Salary Workers (In Thousands)

Industry	Jun 2003	May 2003	Jun 2002
Total Agriculture	29.1	28.7	28.2
Total Agricultural Production/Crops	19.2	18.6	18.3
Cash Grains	1.8	2.3	1.7
Rice	1.4	1.8	1.3
Other Cash Grains	0.4	0.5	0.4
Field Crops Except Grains	0.8	0.7	0.7
Cotton	0.0	0.0	0.0
Other Field Crops	0.8	0.7	0.7
Vegetables and Melons	2.3	2.0	2.2
Total Fruits and Tree Nuts	8.0	7.5	7.7
Berries	0.0	0.0	0.0
Grapes	1.5	1.2	1.5
Tree Nuts	2.4	2.4	2.3
Citrus Fruits	0.0	0.0	0.0
Deciduous Tree Fruit	3.2	3.0	3.0
Other Fruits & Nuts	0.9	0.9	0.9
Total Horticultural Specialties	2.4	2.3	2.2
Ornamental Floral & Nursery	2.1	2.3	2.1
Food Crops Grown Under Cover	0.3	0.0	0.1
General Farm Primarily Crop	3.9	3.8	3.8
Agricultural Production/Livestock	2.0	1.7	1.8
Beef Cattle Feed Lots	0.0	0.0	0.1
Beef Cattle Except Feed Lots	0.6	0.5	0.6
Dairy Farms	0.8	0.8	0.5
Chicken Eggs	0.0	0.0	0.0
Turkey & Turkey Eggs	0.0	0.0	0.0
Other Livestock	0.6	0.4	0.6
Total Agricultural Services	7.9	8.4	8.1
Soil Preparation Services	0.0	0.0	0.0
Crop Services	2.5	2.6	2.6
Plant Cultivate & Protection	0.7	0.9	0.7
Harvest Primarily by Machine	0.5	0.3	0.5
Preparation Services for Market	1.3	1.4	1.4
Cotton Ginning	0.0	0.0	0.0
Total Farm Labor & Management	5.4	5.8	5.5
Farm Labor Contractors	5.4	5.6	5.5
Farm Management Services	0.0	0.2	0.0

na = not available

Average Hourly Earnings (In dollars per hour)

Industry	Jun 2003	May 2003	Jun 2002
Total Agriculture	8.48	8.51	8.34
Total Agricultural Production/Crops	8.42	8.44	8.25
Cash Grains	8.50	8.51	8.21
Rice	8.67	8.69	8.27
Other Cash Grains	8.33	8.32	8.14
Field Crops Except Grains	8.26	8.26	8.23
Cotton	na	na	na
Other Field Crops	8.26	8.26	8.23
Vegetables and Melons	8.56	8.57	8.19
Total Fruits and Tree Nuts	8.29	8.29	8.21
Berries	na	na	na
Grapes	8.32	8.33	8.13
Tree Nuts	8.44	8.42	8.35
Citrus Fruits	na	na	na
Deciduous Tree Fruit	8.17	8.17	8.13
Other Fruits & Nuts	8.23	8.23	8.24
Total Horticultural Specialties	8.48	8.54	8.28
Ornamental Floral & Nursery	8.54	8.54	8.28
Food Crops Grown Under Cover	8.41	na	8.27
General Farm Primarily Crop	8.46	8.48	8.37
Agricultural Production/Livestock	8.54	8.55	8.43
Beef Cattle Feed Lots	na	na	8.31
Beef Cattle Except Feed Lots	8.41	8.41	8.47
Dairy Farms	8.73	8.76	8.51
Chicken Eggs	na	na	na
Turkey & Turkey Eggs	na	na	na
Other Livestock	8.47	8.49	8.44
Total Agricultural Services	8.49	8.54	8.33
Soil Preparation Services	na	na	na
Crop Services	8.59	8.60	8.53
Plant Cultivate & Protection	8.74	8.76	8.59
Harvest Primarily by Machine	8.64	8.64	8.64
Preparation Services for Market	8.39	8.39	8.36
Cotton Ginning	na	na	na
Total Farm Labor & Management	8.39	8.49	8.13
Farm Labor Contractors	8.39	8.37	8.13
Farm Management Services	na	8.61	na

DATA NOTES

Data Sources:

These data are obtained from two sources: the Employment Development Department (EDD) Covered Employment and Wages (ES-202) data files and a monthly survey conducted by the California Agricultural Statistical Service (CASS) of the U.S. Department of Agriculture (USDA) and the Labor Market Information Division of EDD of 4,200 agricultural employers. The sample was selected to be representative of the State's agricultural employers by size, geographic location, and industry categories. Sample data are gathered for the survey week that includes the 12th calendar day of the month. All data in this bulletin represent activities taking place during this mid-month period. Same month prior year employment data are benchmarked to the ES-202 data files maintained by EDD.

Data Comments:

To aid in accurate usage and interpretation of the data, please note the following:

- **Agricultural Services employment survey data may be recalculated; historical trend information is used to adjust sample data when low response rates occur.**
- Regional data may show greater variability than statewide data because of small sample size and variable reporting patterns in specific industries.
- Current month regional estimates are based on the recorded addresses of owner-operators. Same month prior year regional data are based on worksite locations. Significant differences between regional current month and same month prior year data could result, although statewide totals might be comparable.
- Where data cannot be estimated because of inadequate sample reporting, the letters "na" have been entered into the field to indicate estimates are not available.
- Wage data include wages of supervisors and hired non-production workers (primarily administrative personnel). Piece rate data are also included where applicable.
- Fishing, forestry, and hunting industry data are not included in the Agricultural Services estimates. Unique seasonal industry patterns of employment make producing employment estimates for these industries problematic.
- Employment data do not include employers of unpaid family workers.
- Agricultural workers who are employed by farm labor contractors are reported in Agricultural Services under that industry category. Employment levels in Crop Production and Livestock Production do not reflect their activities in the associated industries that contract with the farm labor contractors.

Total agricultural employment and hourly earnings estimates in this bulletin are derived from the monthly Current Employment Statistics for Agriculture project. Estimates in this bulletin will differ from other agricultural estimates published by EDD and the USDA because of differences in the number of industries covered and in the definition of agricultural workers.

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